CLAIMS

1. A composite adsorbent comprising: a composite powder (c) which is composed of a particulate compound (a) and a plastic powder (b) adhered to the particulate compound (a); and at least one adsorptive substance (d) selected from powdery, particulate and fibrous substances.

2. A composite adsorbent comprising: a particulate compound (a); and at least one adsorptive substance (d) selected from powdery, particulate and fibrous substances; both the particulate compound (a) and at least one adsorptive substance (d) having a plastic powder (b) adhered thereto.

3. The composite adsorbent according to claim 1 or 2, wherein the particulate compound (a) is 200μm or less in mean particle diameter.

4. The composite adsorbent according to any of claims 1 to 3, wherein the particulate compound has an ion exchanging function.

5. The composite adsorbent according to any of claims 1 to 4, wherein the particulate compound is a titanosilicate-based compound.

6. The composite adsorbent according to any of claims 1 to 4, wherein the particulate compound is an aluminosilicate-based compound.

7. The composite adsorbent according to claim 1, wherein an adhesion quantity of the particulate compound is 50 to 95% by weight of the composite powder.

8. The composite adsorbent according to claim 2, wherein an adhesion quantity of the particulate compound is 1 to 20% by weight of the composite adsorbent.

9. The composite adsorbent according to any of claims 1 to 8, wherein the plastic powder (b) is thermoplastic resin.

10. The composite adsorbent according to claim 9, wherein a melt flow rate of the thermoplastic resin ranges from 0.02g/10 minutes to 40g/10 minutes.

11. The composite adsorbent according to claim 9 or 10, wherein the thermoplastic resin is polyethylene.

12. The composite adsorbent according to any of claims 1 to 11, wherein the adsorptive substance (d) is an activated carbon.

13. The composite adsorbent according to any of claims 1 to 12, wherein the composite adsorbent is a molded article.

14. A composite powder (c) comprising a particulate compound (a) and a plastic powder (b) adhered to the particulate compound (a).

15. A method for producing a composite adsorbent, comprising the steps of: mixing a particulate compound and a plastic powder together; heating a resulting mixture beyond a melting point

of the plastic powder; cooling the mixture; sieving the mixture and thereby making a composite powder; and mixing the composite powder with an adsorptive substance.

16. The method for producing a composite adsorbent according to claim 15, further comprising the step of performing pressing and molding operations.

17. A method for producing a composite adsorbent, comprising the steps of: mixing a particulate compound, a plastic powder, and an adsorptive substance together; heating a resulting mixture beyond a melting point of the plastic powder; cooling the mixture; and crushing and sieving the mixture.

18. The method for producing a composite adsorbent according to claim 17, further comprising the step of additionally mixing an adsorptive substance therewith.

19. A water purification material comprising the composite adsorbent according to any of claims 1 to 13.

20. A water purifier using the water purification material according to claim 19.